
From: Smalley, Bryant
Sent: Friday, September 1, 2017 7:26 PM
To: Gray, David; Crossland, Ronnie; Coleman, Sam; Carroll, Craig; Smith, Monica; Edlund, Carl; Phillips, Pam
Subject: RE: Sulfur dioxide

All – I just spoke with our OSC on the Arkema incident. He indicated his air monitors began giving him inconsistent readings and he is now questioning the validity of the readings. The EPA Team is recalibrating and continuing the monitoring to attempt to verify the data.

We will keep you posted,

Bryant Smalley

From: Smalley, Bryant
Sent: Friday, September 01, 2017 6:52 PM
To: Gray, David ; Crossland, Ronnie ; Coleman, Sam ; Carroll, Craig ; Monica Smith (smith.monica@epa.gov)
Subject: FW: Sulfur dioxide

EPA ground Teams are reporting two readings of 0.3 parts per million (ppm) Sulfur dioxide (SO₂) just outside the exclusion zone. ASPECT did not detect the any SO₂ during the overflight. Aspect did detect a narrow plume of 1-butene at approximately 1.2 ppm. Data will be downloaded as soon as they land.

Bryant

From: Bernier, Roberto
Sent: Friday, September 01, 2017 6:40 PM
To: Rauscher, Jon <Rauscher.Jon@epa.gov>; Smalley, Bryant <smalley.bryant@epa.gov>; Webster, Susan <webster.susan@epa.gov>; Smith, Monica <smith.monica@epa.gov>
Cc: Turner, Philip <Turner.Philip@epa.gov>; Leonova, Larisa <leonova.larisa@epa.gov>; Shaikh, Taimur <Shaikh.Taimur@epa.gov>
Subject: RE: Sulfur dioxide

thxs

From: Rauscher, Jon
Sent: Friday, September 01, 2017 6:38 PM
To: Bernier, Roberto <bernier.roberto@epa.gov>; Smalley, Bryant <smalley.bryant@epa.gov>; Webster, Susan <webster.susan@epa.gov>; Smith, Monica <smith.monica@epa.gov>
Cc: Turner, Philip <Turner.Philip@epa.gov>; Leonova, Larisa <leonova.larisa@epa.gov>; Shaikh, Taimur <Shaikh.Taimur@epa.gov>
Subject: Sulfur dioxide

All levels are expressed as parts per million or milligrams per cubic meter (ppm or mg/m³) of a substance above which it is predicted that the general population could experience, including susceptible individuals:

Level 1

- Notable discomfort, irritation, or certain asymptomatic non-sensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure.

Level 2

- Irreversible or other serious, long-lasting adverse health effects or an impaired ability to escape.

Level 3

- Life-threatening health effects or death.

Sulfur Dioxide Results – AEGL Program

Sulfur Dioxide 7446-09-5 (Final)

	10 min	30 min	60 min	4 hr	8 hr
ppm					
AEGL 1	0.20	0.20	0.20	0.20	0.20
AEGL 2	0.75	0.75	0.75	0.75	0.75
AEGL 3	30	30	30	19	9.6